Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

- 1. (Currently Amended) A recombinant https://doi.org/10.10/ (Currently Amended) A recombinant https://doi.org/10.10/ (Currently Amended) A recombinant https://doi.org/10.10/ (Paradication of an Olinked carbohydrate, wherein the modification has been carried out by https://doi.org/10.10/ (Paradication has been carried out b
- (Currently Amended) <u>The[[A]]</u> recombinant <u>human</u> C1 inhibitor according to claim 1, which is characterised in that its plasma circulatory half-life has been extended compared to the half-life of an unmodified C1 inhibitor.
- (Currently Amended) <u>The[[A]]</u> recombinant <u>human</u> C1 inhibitor according to claim l, which is characterised in that its plasma circulatory half-life has been reduced compared to the half-life of an unmodified C1 inhibitor.
- 4. (Currently Amended) <u>The[[A]]</u> recombinant <u>human</u> C1 inhibitor according to claim 1, which is characterised in that the plasma circulatory half-life of the modified inhibitor has decreased as compared to, or increased to at least 1.5, 2, 3 or 4 times the value of, the half-life of the unmodified inhibitor.
- (Currently Amended) <u>The[[A]]</u> recombinant <u>human</u> C1 inhibitor according to claim 1, which is characterised in that the modification comprises sialylation of the O-linked carbohydrate or the removal of one or more non-sialylated O-linked carbohydrates.

- (Currently Amended) <u>The[[A]]</u> recombinant <u>human</u> C1 inhibitor according to claim 5, which is characterised in that the non-sialylated O-linked carbohydrate is galactose or Gal(β1-3)GalNAc.
- (Currently Amended) <u>The[[A]]</u> recombinant <u>human</u> C1 inhibitor
 according to claim 1, which is characterised in that the O-linked carbohydrate is modified by
 incubation with an enzyme preparation which comprises one or more O-linked carbohydrate
 modifying enzymes.
- (Currently Amended) <u>The[[A]]</u> recombinant <u>human</u> C1 inhibitor according to claim 7, which is characterised in that the enzyme preparation comprises one or more siallyltransferases, galactosidases or endo-acetyl-galactosaminidases.
- (Currently Amended) <u>The[[A]]</u> recombinant <u>human</u> C1 inhibitor according to claim 8, which is characterised in that the enzyme preparation comprises sialyltransferases ST3Gal III and ST3Gal I, or endo-α-N-acetyl-galactosaminidase.
- (Currently Amended) <u>The[[A]]</u> recombinant <u>human</u> C1 inhibitor according to claim 1, which is characterised in that the modification is an *in vitro* modification.

11-12. (Canceled)

 (Currently Amended) A pharmaceutical composition comprising a <u>human</u> recombinant C1 inhibitor according to claim 1.

14-15. (Canceled)

16. (Currently Amended) A method for extending the blood circulatory half-life of a glycoprotein or of a glycoprotein comprising compound, wherein the method comprises removing one or more non-sialylated O-linked carbohydrates from the glycoprotein by in vitro incubation with an enzyme preparation comprising one or more enzymes capable of removing the one or more non-sialylated O-linked carbohydrates or in vivo by co-expression of [[the]] a recombinant glycoprotein with one or more recombinant enzymes capable of removing the one

or more non-sialylated O-linked carbohydrates of the recombinant glycoprotein in a cultured transgenic cell-line or a non-human-transgenic animal.

- (Previously Presented) The method according to claim 16, wherein the non-sialylated carbohydrate is galactose or Gal(β1-3)GalNAc.
- 18. (Previously Presented) The method according to claim 16, wherein the one or more non-sialylated O-linked carbohydrates is removed by in vitro incubation with an enzyme preparation comprising one or more enzymes capable of removing the one or more nonsialylated O-linked carbohydrates.
- (Original) The method according to claim 18, wherein the enzyme preparation comprises galactosidase or endo-acetylgalactosaminidase.
- (Previously Presented) The method according to claim 18, wherein the enzyme preparation comprises one or more recombinantly produced enzymes.
- 21. (Currently Amended) The method according to claim 16, wherein the one or more non-sialylated O-linked carbohydrates is removed in vivo by co-expression of the recombinant glycoprotein with a nucleic acid encoding a galactosidase or an endoacetylgalaotosaminidase in a <u>cultured transgenic</u> cell-line or in a non-human transgenic animal.
- (Previously Presented) The method according to claim 16, wherein the glycoprotein is a C1 inhibitor.